

assistance being provided. The early warning system became one of the mitigation strategies named in this plan.

## 3.7.4. 2007 MITIGATION STRATEGIES

The Tribe intends to implement twenty-one mitigation strategies in the next three year period. These strategies will mitigate risks to natural, technological, and lifeline hazards named in this plan. The hazards are each ranked for the “level of effort” it takes the Tribe to implement them. The level of effort categories were created for the 2004 plan and remain the same in the updated plan. They are described in Table 21 Level of Effort Ranking for Mitigation Strategies.

**Table 21 Level of Effort Ranking for Mitigation Strategies**

Level of Effort	Rank
Easy for Tribe to accomplish on their own, requires human resources and little financial resources	1
Tribe can accomplish primarily on their own with the assistance of financial resources and designated Tribal staff	2
Outside consultant and additional resources required	3
Multi-partnered program requiring substantial additional resources both human and financial	4

The strategies are broken into two categories, general and hazard specific. The general strategies impact multiple hazards and the Reservation as a whole; these include communication, disaster response, disaster management, education, infrastructure improvements and partnership development. The specific strategies are those that directly impact the largest natural hazards on the Reservation—earthquake, flood and wildfire. The general strategies are in Table 22 General Mitigation Strategies , while the hazard specific strategies are in Table 23 Mitigation Strategies for Specific Hazards. These tables include the priority number given to the strategy, its benefits, approximate cost, and level of effort rank.

**Table 22 General Mitigation Strategies**

Hazard	Priority Rank	Mitigation Strategy	Benefits	Approximate Cost	Level of Effort Rank

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Hazard	Priority Rank	Mitigation Strategy	Benefits	Approximate Cost	Level of Effort Rank
<b>Communication</b>	9	Adopt a back-up satellite communication system for telephone and internet usage.	Maintain communication during a power outage.	\$20,000	3
	10	Train and supply ham radio operators.	Maintain communication during a power outage.	\$5,000	2
<b>Disaster Response</b>	2	Purchase a generator for the east side of the Reservation.	Ability to pump water during a blackout	\$25,000	2
	7	Purchase an additional fire truck.	Additional truck is needed to fight fires and respond to disasters.	\$250,000	2
	11	Build a fire station.	Place to keep and maintain all fire equipment and fire trucks.	\$4,000,000	3
<b>Disaster Management</b>	1	Write and implement an Emergency Evacuation and Preparedness Plan.	Be ready to respond and recover from a disaster. Lessen the impact of disasters.	\$125,000	3
	17	Adopt the National Incident Management System (NIMS).	Meet federal requirements and improve coordination during response and recovery.	\$15,000	3
	19	Create an Emergency Operations Center (EOC).	Improve coordination for response and recovery.	\$75,000	3

# Pre-Disaster Multi-Hazard Mitigation Plan **2007**

Hazard	Priority Rank	Mitigation Strategy	Benefits	Approximate Cost	Level of Effort Rank
	22	Write and implement a Pandemic Preparedness Plan.	Ready the Tribe for a pandemic.	\$45,000	3
<b>Education</b>	18	Hold meetings with the General Council regarding emergency management and household preparedness.	Informed and prepared public which is supportive of mitigation strategies.	\$5,000	1
	20	Conduct hazard preparedness and response training, including evacuation drills.	Tribal leadership and Reservation residents have improved capabilities.	\$20,000	2
	21	Generate a quarterly hazard information newsletter.	Informed and prepared public.	\$20,000	2
<b>Infrastructure Improvements</b>	6	Improve and pave Reservation roads.	Improve access to all utilities including the water system. Ensure accessible evacuation routes. Protect underground water and utility lines.	\$5,000,000	4
	16	Rt. 76 requires many improvements including the following: <ul style="list-style-type: none"> <li>Culverts need to be improved to withstand the amount of water that may flow</li> </ul>	A safer roadway, accessible at all times and saved lives.	\$500,000	4

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Hazard	Priority Rank	Mitigation Strategy	Benefits	Approximate Cost	Level of Effort Rank
		<p>through them due to flooding and debris.</p> <ul style="list-style-type: none"> <li>• Widening and straightening the road will make it safer to drive on.</li> <li>• Reducing speed will reduce accidents.</li> <li>• Hazmat protection based on what vehicles travel the road.</li> <li>• One-way to evacuate</li> </ul>			
<b>Partnership Development</b>	14	Develop Memorandums of Understanding (MOU's) with CALTRANS, Cuca Ranch, Pala and Rincon.	Improved coordination pre-disaster as well as during response and recovery.	\$15,000	3

Table 23 Mitigation Strategies for Specific Hazards

Hazard	Priority Rank	Mitigation Strategy	Benefits	Approximate Costs	Level of Effort Rank
<b>Earthquake</b>	17	Adopt and implement building codes.	Reduce damage due to earthquakes and other hazards to homes.	\$0	1
<b>Flood and Landslide</b>	3	Emergency debris removal for all areas of the Reservation following landslides, floods or wildfires.	Funding and a plan in place to respond when a disaster occurs. Some of the debris must be moved off the Reservation because it	\$1,500,000	4

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

			will be toxic.		
	4	Move RV portion of campground out of the alluvial fan.	Save lives and property from flooding. Protect the Tribe's primary business.	\$125,000	4
	13	Implement erosion control measures including fencing and weed treatments.		\$125,000	3
	15	Maintain and improve the early warning system, including setting-up additional hazard lights, signs, rain and stream gauges.		\$275,000	4
<b>Wildfire and House Fire</b>	11	Reduce the amount of fuel around structures. Create 100 feet of defensible space.	May save structures from burning.	\$150,000	3

## 3.7.5. EVALUATION OF 2007 MITIGATION STRATEGIES

Many governments would review a list of mitigation strategies using the STAPLEE Criteria for Mitigation Action Selection. STAPLEE, an acronym for a general set of criteria common to public administration officials and planners, stands for the Social, Technical, Administrative, Political, Legal, Economic, and Environmental criteria for making planning decisions. La Jolla used basic cost benefit review and some general discussion about how the strategies meet the mitigation plan goals and objectives. They are a small Tribe, and the Tribal Council will determine what projects are implemented and funded. However, the majority of the projects will be incorporated only if grant funding is received as the Tribe does not have significant resources of its own. Table 24 below shows the Tribe's mitigation strategies in priority order with a simple analysis for environmental impact, historical preservation impact, and importance to life and property. In addition, this table names the mitigation strategy category and the cost and level of effort for the Tribe to implement the strategy. The Tribe also evaluated how each strategy coincides with the four mitigation plan goals; this can be seen in Table 29.

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Table 24 Prioritized Benefit Cost Review

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
1	Write and implement an Emergency Evacuation and Preparedness Plan.	3	3	Disaster Management	1	\$125,000	3
2	Purchase a generator for the east side of the Reservation.	3	2	Disaster Response	1	\$25,000	2
3	Emergency debris removal for all areas of the Reservation following landslides, floods or wildfires.	1	3	Flood & Landslide	1	\$1,500,000	4
4	Move RV portion of campground out of the alluvial fan.	1	3	Flood & Landslide	1	\$125,000	4
5	Adopt the National Incident Management System (NIMS).	3	3	Disaster Management	3	\$15,000	3

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
6	Improve and pave reservation roads.	1	3	Infrastructure Improvement	1	\$5,000,000	4
7	Purchase an additional fire truck.	3	3	Disaster Response	1	\$250,000	2
8	Adopt a back-up satellite communication system for telephone and internet usage.	3	3	Communication	3	\$20,000	3
9	Train and supply ham radio operators.	3	3	Communication	3	\$5,000	2
10	Build a fire station.	3	2	Disaster Response	1	\$4,000,000	3
11	Reduce the amount of fuel around structures. Create 100 feet of defensible space.	1	2	Wildfire	1	\$150,000	3

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
12	Implement erosion control measures including fencing and weed treatments.	1	2	Flood & Landslide	1	\$125,000	3
13	Develop Memorandums of Understanding (MOU's) with CALTRANS, Cuca Ranch, Pala and Rincon.	3	3	Partnership Development	3	\$15,000	3
14	Maintain and improve early warning system, including setting-up additional hazard lights, signs, rain and stream gauges.	3	3	Flood & Landslide	1	\$275,000	4
15	Rt. 76 requires many improvements including <ul style="list-style-type: none"> <li>• Culverts need to be improved to withstand the amount of water that may flow through them due to flooding and debris.</li> <li>• Widening and straightening the road will make it safer to drive on.</li> <li>• Reducing speed will reduce accidents.</li> <li>• Hazmat protection based on what vehicles travel the road.</li> <li>• One-way to evacuate</li> </ul>	2	3	Infrastructure Improvement	1	\$500,000	4



# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
16	Adopt and implement building codes.	3	3	Earthquake	1	\$0	1
17	Hold meetings with the General Council regarding emergency management and household preparedness.	3	3	Education	3	\$5,000	1
18	Create an Emergency Operations Center (EOC).	3	3	Disaster Management	2	\$75,000	3
19	Conduct hazard preparedness and response training including an evacuation drill.	3	3	Education	2	\$20,000	2
20	Generate a quarterly hazard information newsletter.	3	3	Education	3	\$20,000	2
21	Write and implement a Pandemic Preparedness Plan.	3	3	Disaster Management	2	\$45,000	3

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Table 25 Mitigation Strategies Sorted by Level of Effort

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
16	Adopt and implement building codes.	3	3	Earthquake	1	\$0	1
17	Hold meetings with the General Council regarding emergency management and household preparedness.	3	3	Education	3	\$5,000	1
2	Purchase a generator for the east side of the Reservation.	3	2	Disaster Response	1	\$25,000	2
7	Purchase an additional fire truck.	3	3	Disaster Response	1	\$250,000	2
9	Train and supply ham radio operators.	3	3	Communication	3	\$5,000	2
19	Conduct hazard preparedness and response training including an evacuation drill.	3	3	Education	2	\$20,000	2

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
20	Generate a quarterly hazard information newsletter.	3	3	Education	3	\$20,000	2
1	Write and implement an Emergency Evacuation and Preparedness Plan.	3	3	Disaster Management	1	\$125,000	3
5	Adopt the National Incident Management System (NIMS).	3	3	Disaster Management	3	\$15,000	3
8	Adopt a back-up satellite communication system for telephone and internet usage.	3	3	Communication	3	\$20,000	3
10	Build a fire station.	3	2	Disaster Response	1	\$4,000,000	3
11	Reduce the amount of fuel around structures. Create 100 feet of defensible space.	1	2	Wildfire	1	\$150,000	3

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
12	Implement erosion control measures including fencing and weed treatments.	1	2	Flood & Landslide	1	\$125,000	3
13	Develop Memorandums of Understanding (MOU's) with CALTRANS, Cuca Ranch, Pala and Rincon.	3	3	Partnership Development	3	\$15,000	3
18	Create an Emergency Operations Center (EOC).	3	3	Disaster Management	2	\$75,000	3
21	Write and implement a Pandemic Preparedness Plan.	3	3	Disaster Management	2	\$45,000	3
3	Emergency debris removal for all areas of the Reservation following landslides, floods or wildfires.	1	3	Flood & Landslide	1	\$1,500,000	4
4	Move RV portion of campground out of the alluvial fan.	1	3	Flood & Landslide	1	\$125,000	4

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
6	Improve and pave reservation roads.	1	3	Infrastructure Improvement	1	\$5,000,000	4
14	Maintain and improve early warning system, including setting-up additional hazard lights, signs, rain and stream gauges.	3	3	Flood & Landslide	1	\$275,000	4
15	Rt. 76 requires many improvements including <ul style="list-style-type: none"> <li>• Culverts need to be improved to withstand the amount of water that may flow through them due to flooding and debris.</li> <li>• Widening and straightening the road will make it safer to drive on.</li> <li>• Reducing speed will reduce accidents.</li> <li>• Hazmat protection based on what vehicles travel the road.</li> <li>• One-way to evacuate</li> </ul>	2	3	Infrastructure Improvement	1	\$500,000	4

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Table 26 Mitigation Strategies Sorted by Cost

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
6	Improve and pave reservation roads.	1	3	Infrastructure Improvement	1	\$5,000,000	4
10	Build a fire station.	3	2	Disaster Response	1	\$4,000,000	3
3	Emergency debris removal for all areas of the Reservation following landslides, floods or wildfires.	1	3	Flood & Landslide	1	\$1,500,000	4
15	Rt. 76 requires many improvements including <ul style="list-style-type: none"> <li>• Culverts need to be improved to withstand the amount of water that may flow through them due to flooding and debris.</li> <li>• Widening and straightening the road will make it safer to drive on.</li> <li>• Reducing speed will reduce accidents.</li> </ul>	2	3	Infrastructure Improvement	1	\$500,000	4

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
	<ul style="list-style-type: none"> <li>Hazmat protection based on what vehicles travel the road.</li> <li>One-way to evacuate</li> </ul>						
14	Maintain and improve early warning system, including setting-up additional hazard lights, signs, rain and stream gauges.	3	3	Flood & Landslide	1	\$275,000	4
7	Purchase an additional fire truck.	3	3	Disaster Response	1	\$250,000	2
11	Reduce the amount of fuel around structures. Create 100 feet of defensible space.	1	2	Wildfire	1	\$150,000	3
1	Write and implement an Emergency Evacuation and Preparedness Plan.	3	3	Disaster Management	1	\$125,000	3
4	Move RV portion of campground out of the alluvial fan.	1	3	Flood & Landslide	1	\$125,000	4

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
12	Implement erosion control measures including fencing and weed treatments.	1	2	Flood & Landslide	1	\$125,000	3
18	Create an Emergency Operations Center (EOC).	3	3	Disaster Management	2	\$75,000	3
21	Write and implement a Pandemic Preparedness Plan.	3	3	Disaster Management	2	\$45,000	3
2	Purchase a generator for the east side of the Reservation.	3	2	Disaster Response	1	\$25,000	2
8	Adopt a back-up satellite communication system for telephone and internet usage.	3	3	Communication	3	\$20,000	3
19	Conduct hazard preparedness and response training including an evacuation drill.	3	3	Education	2	\$20,000	2



# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
20	Generate a quarterly hazard information newsletter.	3	3	Education	3	\$20,000	2
5	Adopt the National Incident Management System (NIMS).	3	3	Disaster Management	3	\$15,000	3
13	Develop Memorandums of Understanding (MOU's) with CALTRANS, Cuca Ranch, Pala and Rincon.	3	3	Partnership Development	3	\$15,000	3
9	Train and supply ham radio operators.	3	3	Communication	3	\$5,000	2
17	Hold meetings with the General Council regarding emergency management and household preparedness.	3	3	Education	3	\$5,000	1
16	Adopt and implement building codes.	3	3	Earthquake	1	\$0	1

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Table 27 Mitigation Strategies Sorted by Category

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
8	Adopt a back-up satellite communication system for telephone and internet usage.	3	3	Communication	3	\$20,000	3
9	Train and supply ham radio operators.	3	3	Communication	3	\$5,000	2
1	Write and implement an Emergency Evacuation and Preparedness Plan.	3	3	Disaster Management	1	\$125,000	3
5	Adopt the National Incident Management System (NIMS).	3	3	Disaster Management	3	\$15,000	3
18	Create an Emergency Operations Center (EOC).	3	3	Disaster Management	2	\$75,000	3
21	Write and implement a Pandemic Preparedness Plan.	3	3	Disaster Management	2	\$45,000	3

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
2	Purchase a generator for the east side of the Reservation.	3	2	Disaster Response	1	\$25,000	2
7	Purchase an additional fire truck.	3	3	Disaster Response	1	\$250,000	2
10	Build a fire station.	3	2	Disaster Response	1	\$4,000,000	3
16	Adopt and implement building codes.	3	3	Earthquake	1	\$0	1
17	Hold meetings with the General Council regarding emergency management and household preparedness.	3	3	Education	3	\$5,000	1
19	Conduct hazard preparedness and response training including an evacuation drill.	3	3	Education	2	\$20,000	2

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
20	Generate a quarterly hazard information newsletter.	3	3	Education	3	\$20,000	2
3	Emergency debris removal for all areas of the Reservation following landslides, floods or wildfires.	1	3	Flood & Landslide	1	\$1,500,000	4
4	Move RV portion of campground out of the alluvial fan.	1	3	Flood & Landslide	1	\$125,000	4
12	Implement erosion control measures including fencing and weed treatments.	1	2	Flood & Landslide	1	\$125,000	3
14	Maintain and improve early warning system, including setting-up additional hazard lights, signs, rain and stream gauges.	3	3	Flood & Landslide	1	\$275,000	4
6	Improve and pave reservation roads.	1	3	Infrastructure Improvement	1	\$5,000,000	4

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
15	Rt. 76 requires many improvements including <ul style="list-style-type: none"> <li>• Culverts need to be improved to withstand the amount of water that may flow through them due to flooding and debris.</li> <li>• Widening and straightening the road will make it safer to drive on.</li> <li>• Reducing speed will reduce accidents.</li> <li>• Hazmat protection based on what vehicles travel the road.</li> <li>• One-way to evacuate</li> </ul>	2	3	Infrastructure Improvement	1	\$500,000	4
13	Develop Memorandums of Understanding (MOU's) with CALTRANS, Cuca Ranch, Pala and Rincon.	3	3	Partnership Development	3	\$15,000	3
11	Reduce the amount of fuel around structures. Create 100 feet of defensible space.	1	2	Wildfire	1	\$150,000	3

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Table 28 Mitigation Strategies Sorted by Importance to Protection of Life and Property

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
1	Write and implement an Emergency Evacuation and Preparedness Plan.	3	3	Disaster Management	1	\$125,000	3
2	Purchase a generator for the east side of the Reservation.	3	2	Disaster Response	1	\$25,000	2
3	Emergency debris removal for all areas of the Reservation following landslides, floods or wildfires.	1	3	Flood & Landslide	1	\$1,500,000	4
4	Move RV portion of campground out of the alluvial fan.	1	3	Flood & Landslide	1	\$125,000	4
6	Improve and pave reservation roads.	1	3	Infrastructure Improvement	1	\$5,000,000	4
7	Purchase an additional fire truck.	3	3	Disaster	1	\$250,000	2

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
				Response			
10	Build a fire station.	3	2	Disaster Response	1	\$4,000,000	3
11	Reduce the amount of fuel around structures. Create 100 feet of defensible space.	1	2	Wildfire	1	\$150,000	3
12	Implement erosion control measures including fencing and weed treatments.	1	2	Flood & Landslide	1	\$125,000	3
14	Maintain and improve early warning system, including setting-up additional hazard lights, signs, rain and stream gauges.	3	3	Flood & Landslide	1	\$275,000	4
15	Rt. 76 requires many improvements including <ul style="list-style-type: none"> <li>Culverts need to be improved to withstand the amount of water that may flow through them</li> </ul>	2	3	Infrastructure Improvement	1	\$500,000	4

# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
	due to flooding and debris. <ul style="list-style-type: none"> <li>• Widening and straightening the road will make it safer to drive on.</li> <li>• Reducing speed will reduce accidents.</li> <li>• Hazmat protection based on what vehicles travel the road.</li> <li>• One-way to evacuate</li> </ul>						
16	Adopt and implement building codes.	3	3	Earthquake	1	\$0	1
18	Create an Emergency Operations Center (EOC).	3	3	Disaster Management	2	\$75,000	3
19	Conduct hazard preparedness and response training including an evacuation drill.	3	3	Education	2	\$20,000	2
21	Write and implement a Pandemic Preparedness Plan.	3	3	Disaster Management	2	\$45,000	3
5	Adopt the National Incident Management System	3	3	Disaster	3	\$15,000	3



# Pre-Disaster Multi-Hazard Mitigation Plan 2007

Prioritized Benefit Cost Review Impact: 1 = High 2=Medium 3 = Low							
Priority Rank	Mitigation Strategy	Environmental Impact	Historical Preservation Impact	Mitigation Strategy Category (General or Hazard Specific)	Importance to Protection of Life and Property	Cost of Strategy	Level of Effort Rank
	(NIMS).			Management			
8	Adopt a back-up satellite communication system for telephone and internet usage.	3	3	Communication	3	\$20,000	3
9	Train and supply ham radio operators.	3	3	Communication	3	\$5,000	2
13	Develop Memorandums of Understanding (MOU's) with CALTRANS, Cuca Ranch, Pala and Rincon.	3	3	Partnership Development	3	\$15,000	3
17	Hold meetings with the General Council regarding emergency management and household preparedness.	3	3	Education	3	\$5,000	1
20	Generate a quarterly hazard information newsletter.	3	3	Education	3	\$20,000	2

Table 29 Mitigation Strategies in Relation to Plan Goals

Priority Rank	Mitigation Strategies in Priority Order	PDM Goals
1	Write and implement an Emergency Evacuation and Preparedness Plan.	Life & Preparedness
4	Move RV portion of campground out of the alluvial fan.	Life & Property
6	Improve and pave reservation roads.	
7	Purchase an additional fire truck.	
11	Reduce the amount of fuel around structures. Create 100 feet of defensible space.	
15	<p>Rt. 76 requires many improvements including the following:</p> <ul style="list-style-type: none"> <li>• Culverts need to be improved to withstand the amount of water that may flow through them due to flooding and debris.</li> <li>• Widening and straightening the road will make it safer to drive on.</li> <li>• Reducing speed will reduce accidents.</li> <li>• Hazmat protection based on what vehicles travel the road.</li> <li>• One-way to evacuate</li> </ul>	
16	Adopt and implement building codes.	
14	Maintain and improve early warning system, including setting-up additional hazard lights, signs, rain and stream gauges.	Life, Response & Recovery
17	Hold meetings with the General Council regarding emergency management and household preparedness.	Preparedness
19	Conduct hazard preparedness and response training including an evacuation drill.	